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MEDICAL SCHOOL

CALIFORNIA STATE BOARD OF HEALTH

Weekly

Bulletin

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GUY P. JONES  
EDITOR

THE RECORD-MAKING ACTIVITY OF A FULL-TIME  
HEALTH OFFICE.

ALLEN F. GILLIHAN, M.D., State District Health Officer.

Dr. V. G. Presson, health officer of Orange County, is to be congratulated on a report, which he has just issued, describing an immunization campaign recently conducted for the protection of the people of his county against smallpox and diphtheria. Not only were a great number of persons immunized, but a record was kept showing the actual cost of this work. Dr. Presson says, "This cost, of course, does not include salaries and overhead expense *which would be the same even though no campaign were conducted.*" (The italic is mine.) How seldom do we find those engaged in protecting the health of the people giving thought to the relative value of the time consumed by their various activities. The time consumed in securing immunities against the various diseases, thus preventing epidemics, is always very much less than the time spent in quarantining cases and searching out contacts after an epidemic had gained a foothold. It is just as locking the barn door each night will consume ever so much less time, during the whole of the year, than would be spent on one occasion, only, in looking for a horse that had strayed away.

In his figures on cost of immunizations against diphtheria, which it will be remembered require three injections at intervals of a week, sterilization of needles, etc., Dr. Presson has included

not only the toxin-antitoxin used, but also the needles, syringes, sterilizer and heat. Such apparatus will be available for use in the next campaign, when he will be able to report an even lower cost per person immunized.

*Diphtheria Immunizations.*

Persons receiving all three injections	2,103	6,309
Persons receiving only two injections	28	56
Persons receiving only one injection	11	22
Total number of injections given		6,387

The total cost was as follows:

Toxin-antitoxin	\$381 33
Needles and syringes	22 74
Canned heat and stove	4 72
Sterilizer	12 82

A total cost of \$421 61

This represents a cost of 19.8¢ per person, with material left on hand. In other words, each injection cost the small sum of 6.6¢.

*Smallpox Immunization.*

Total number of immunizations	6,912
Vaccine	\$172 00
Ether	24 10
Adhesive	81 07
Gauze	108 17
Miscellaneous	15 10
Record cards	39 05
Advertisements	72 08

Total cost \$511 57

This represents a per capita expense of 7.4 cents. When it is recalled that a dressing was used with each inoculation, and that the arm was re-dressed



at least once after the initial inoculation, this cost is remarkable low.

*Summary of Reactions Observed.*

		Per Cent
Vaccinia -----	4,228	61
Vaccinoid -----	459	7
Immune -----	1,746	25
No reaction -----	249	3.5
Did not return -----	230	3.5
Total -----	6,912	100

### Immunization In San Diego.

Dr. Alex M. Lesem, health officer of San Diego, has issued the following noteworthy report of immunization against communicable diseases in his city:

During the first five months of the present year, from January 1st to May 31st, the health department immunized 7,138 persons against smallpox, 1,209 school and pre-school children against diphtheria, and ten against typhoid fever.

The work was carried on under the direct supervision of the health officer. Consent cards were provided and immunization was performed only upon presentation of these cards properly filled out and duly signed by a parent or guardian.

During the year 1925 there were 439 cases of smallpox reported, almost as many as the previous ten years combined. Through the latter part of the year, upward of 11,000 persons were vaccinated. Immediate results followed, and it was noted that the number of cases rapidly decreased as the number of vaccinations increased.

Smallpox appeared again during the present year in a most virulent form, but quickly subsided as the vaccination work became well under way.

Upon the request of many parents, a program of diphtheria immunization was inaugurated in the schools, and was carried on until superseded by the smallpox vaccinations. During the first five months of the present year, more diphtheria cases have been reported than during the entire year 1925. A careful check of the cases reported shows that not a single case appeared in children who had received toxin-antitoxin.

Immunization against typhoid fever was not offered in a general way, but was done to protect a few citizens who were about to enter certain territory where the purity of the water supply was very questionable.

Why do not the doctors campaign more vigorously for the promotion of public health work regardless of partisan politics?

### Tentative Program

#### Institute for Public Health Nurses.

Held under the joint auspices of the California State Board of Health and the summer session of the University of California.

Berkeley, July 12-23, 1926.

Monday, July 12, 1.00 p.m.

1. Address.  
Dr. Walter M. Dickie, Secretary and Executive Officer, California State Board of Health.
2. The Relation of Public Health Nursing to Public Welfare.  
Mrs. Amy Steinhart Braden, Executive Secretary, State Department of Public Welfare.
3. Eligibility Standards in Tuberculosis Work.  
Marguerite L. Spiers, Head of Social Service, Berkeley Health Center.

Tuesday, July 13, 1.00 p.m.

1. Standards in Tuberculosis Case Work.  
Marguerite L. Spiers, Head of Social Service, Berkeley Health Center.
2. Housing and Immigration and the Public Health Nurse.  
R. W. Kearney, Attorney and Executive Officer, State Commission of Immigration and Housing.
3. The Nurse in Tuberculosis Control.  
Dr. Robert A. Peers, Member California State Board of Health.

Wednesday, July 14, 1.00 p.m.

1. Child Hygiene and Maternal Welfare.  
Dr. Ellen S. Stadtmuller, Director, Bureau of Child Hygiene, California State Board of Health.
2. The Importance of Bedside Nursing in Public Health Work.  
Naomi Deutsch, R.N., Director, San Francisco Visiting Nurse Association.

Thursday, July 15, 1.00 p.m.

1. Cooperation in Communicable Disease Control.  
Rachel Miller, R.N., Deputy Superintendent of Schools, Contra Costa County.
2. Immunization Against Smallpox—How To Organize a Clinic and a Demonstration of Technique.  
Dr. Allen F. Gillihan, District Health Officer, California State Board of Health.

Friday, July 16, 1.00 p.m.

1. Symposium on Prenatal Care.  
Naomi Deutsch, R.N., Director, San Francisco Visiting Nurse Association,  
Dr. Lela J. Beebe, Physician, Bureau of Child Hygiene, California State Board of Health.

Monday, July 19, 1.00 p.m.

1. Mental Hygiene With Relation to Social Work.  
Elizabeth Anderson, Policewoman, Berkeley Police Department.
2. The Place of Mental Hygiene in Public Health Nursing.  
Edith S. Bryan, R.N., Assistant Professor of Public Health Nursing, University of California.
3. Child Guidance and Habit Clinics.  
Dr. V. H. Podstata, Livermore.



Tuesday, July 20, 1.00 p.m.

1. High Lights of the National Tuberculosis Convention.  
Beatrice H. Woodward, R.N., Field Worker, California State Tuberculosis Association.
2. How to Make a Community Survey.  
Louis Olsen, City Health Officer, Palo Alto.
3. The Practical Use of Morbidity Reports.  
Ida May Stevens, Assistant Epidemiologist, California State Board of Health.

Wednesday, July 21, 1.00 p.m.

1. Symposium on School Nursing.  
Florence Bustelle, R.N., Co-ordinator of Nursing Service, Alameda County,  
Edna Burgess, R.N., Public Health Nurse, Placer County.

Thursday, July 22, 1.00 p.m.

1. The Operation of the Full-Time County Public Health Unit.  
Helen Hartley, R.N., Superintendent of Nurses, San Joaquin Health District.
2. The Sunshine School.  
Dr. Wm. P. Shepard, City Health Officer, Berkeley.
3. Public Health in Europe.  
Dr. Wm. C. Hassler, City Health Officer, San Francisco.

Friday, July 23, 1.00 p.m.

1. Symposium on the Present Status of Immunization Against Scarlet Fever and Diphtheria.  
Dr. Wilfred H. Kellogg, Director, State Hygienic Laboratory, California State Board of Health.



### San Diego Health Board Fifty Years Old.

The semicentennial of its organization was celebrated during the first week of June by the San Diego City Health Department. A city ordinance, providing for the organization of the city board of health and for the appointment of a health officer was adopted by the city trustees, June 5, 1876. The health department has functioned continuously ever since and is one of the oldest health departments in the state. Dr. P. C. Remondino, one of the members of the original board, was a member of the California State Board of Health from 1892 to 1896.

The first city board of health of San Diego was composed of Dr. P. C. Remondino, J. M. Boyd, W. A. Begole, D. O. McCarthy, D. W. Briant and P. O'Neil. Members of the present board are Dr. W. W. Crawford, president; Charles J. Holliday, Dr. Marjory Potter, Dr. A. J. Thornton, and Senator Leroy A. Wright. Dr. Alex Lesem is health officer and George Sieverling is his assistant.



Uniformity in the registration laws for nurses in the 48 states is a necessity if the nursing profession is to function efficiently.—  
A. Louise Dietrich.

### MORBIDITY.\*

#### Diphtheria.

76 cases of diphtheria have been reported as follows: Berkeley 2, Piedmont 1, Colusa 1, Pittsburg 5, Los Angeles County 14, Glendale 1, Long Beach 5, Los Angeles 20, Monrovia 1, Redondo Beach 1, Santa Monica 1, Monterey County 1, Orange County 1, Santa Ana 1, Sacramento 2, San Bernardino County 2, San Bernardino 2, San Diego 2, San Francisco 7, Lodi 1, Redwood City 1, Oxnard 4.

#### Measles.

425 cases of measles have been reported as follows: Alameda 9, Albany 2, Berkeley 17, Oakland 94, Piedmont 3, San Leandro 1, Fresno County 12, Fresno 6, Los Angeles County 26, Long Beach 31, Los Angeles 11, Monrovia 1, Pasadena 8, Redondo Beach 1, San Gabriel 1, Torrance 2, Signal Hill 1, Maywood 5, Marin County 1, Yosemite 1, Napa 3, Brea 1, Sacramento 2, San Bernardino County 1, San Bernardino 1, San Diego County 1, Chula Vista 3, National City 2, San Diego 20, San Francisco 126, San Joaquin County 2, Stockton 2, San Mateo 1, Santa Clara County 3, Gilroy 1, Los Gatos 1, Mountain View 1, San Jose 2, Vallejo 7, Corning 11, Tulare County 1.

#### Scarlet Fever.

126 cases of scarlet fever have been reported as follows: Alameda 1, Berkeley 3, Oakland 1, Butte County 6, Chico 3, Fresno County 1, Fresno 4, Kern County 2, Los Angeles County 7, Alhambra 1, Compton 1, Glendale 1, Huntington Park 7, Long Beach 4, Los Angeles 38, Monrovia 1, Santa Monica 2, Whittier 1, Signal Hill 1, Merced 2, Pacific Grove 1, Orange County 1, Orange 1, Santa Ana 1, Riverside County 1, Sacramento 1, Redlands 1, San Bernardino 1, San Diego 8, San Francisco 6, Stockton 2, Redwood City 1, Santa Clara County 2, Los Gatos 2, Mountain View 1, San Jose 1, Solano County 1, Vacaville 1, Stanislaus County 4, Tulare County 1, Dinuba 1.

#### Smallpox.

11 cases of smallpox have been reported as follows: Oakland 1, Butte County 1, Long Beach 1, Los Angeles 3, Carmel 1, Sacramento 2, North Sacramento 2.

#### Typhoid Fever.

14 cases of typhoid fever have been reported as follows: Butte County 1, Fresno County 2, Brawley 1, Alhambra 1, Los Angeles 1, Merced County 1, Riverside 1, Sacramento 1, San Francisco 1, Ventura County 3, Santa Paula 1.

#### Whooping Cough.

76 cases of whooping cough have been reported as follows: Berkeley 5, Oakland 13, Butte County 1, Los Angeles County 16, El Segundo 1, Long Beach 9, Los Angeles 10, Santa Monica 1, Riverside County 2, Sacramento 1, Chula Vista 7, San Diego 4, San Francisco 4, Santa Barbara County 1, Santa Paula 1.

#### Meningitis, Epidemic.

4 cases of meningitis, epidemic, have been reported as follows: Pacific Grove 1, Stockton 3.

\*From reports received on June 21st and 22d for week ending June 19th.



## COMMUNICABLE DISEASE REPORT.

	1925-1926				1924-1925			
	Week ending			Reports for week ending June 19 received by June 22	Week ending			Reports for week ending June 20 received by June 23
	May 29	June 5	June 12		May 30	June 6	June 13	
Anthrax	0	1	0	0	0	1	0	0
Chickenpox	256	188	251	169	210	195	182	137
Diphtheria	109	91	107	76	97	99	91	74
Dysentery, Bacillary	1	0	0	0	4	3	1	1
Encephalitis, Epidemic	4	0	0	0	1	5	2	2
Gonococcus Infection	151	89	77	123	120	102	96	83
Influenza	21	20	14	7	22	21	13	12
Jaundice, Epidemic	0	0	4	0	0	0	0	1
Leprosy	0	0	0	1	1	1	0	0
Malaria	0	0	2	1	1	0	1	0
Measles	574	494	527	425	79	85	63	47
Meningitis, Epidemic	4	2	2	4	6	2	1	2
Mumps	314	275	237	135	285	280	250	191
Paratyphoid Fever	0	0	0	0	0	1	0	0
Pneumonia, Lobar	33	53	32	33	44	62	103	32
Poliomyelitis	6	7	2	0	14	19	18	14
Rabies (animal)	6	3	12	8	3	13	4	0
Rocky Mt. Spotted Fever	1	0	1	0	0	0	0	0
Scarlet Fever	148	111	144	126	112	123	96	78
Smallpox	19	45	23	11	130	120	89	74
Syphilis	132	119	105	92	152	241	140	121
Tetanus	2	3	1	0	1	5	1	0
Trachoma	2	1	3	3	11	4	3	0
Trichinosis	0	1	0	0	0	0	0	0
Tuberculosis (all forms)	192	234	168	163	146	195	166	227
Typhoid Fever	17	22	17	14	18	17	25	14
Typhus Fever	0	0	0	0	0	0	0	0
Whooping Cough	76	76	75	76	358	362	388	234
Totals	2,068	1,835	1,804	1,467	1,815	1,956	1,733	1,344

## COMMUNICABLE DISEASES BY AGE GROUPS, MAY, 1926.

Disease	0-1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55+	Adult
Chickenpox	21	150	570	120	28	7	8	11	1	3	18
Diphtheria	10	88	160	53	27	20	41	28	4	3	4
German Measles	1	10	17	5		3					
Malaria							4		1		1
Measles	34	392	1353	161	66	12	11	3	1	1	4
Mumps		77	625	320	76	21	34	16	9	4	17
Pneumonia	4	12	20	3	7	12	11	7	15	33	1
Scarlet Fever	9	110	291	90	29	8	17	7	2		1
Smallpox	3	18	13	27	18	8	14	19	10	11	
Typhoid Fever		9	12	12	7	10	14	12	1	1	1
Whooping Cough	29	114	158	17							2
Anthrax							1				
Epidemic Meningitis	3	2	3	1	1		3	1		2	
Dysentery (Bacillary)	2	2								1	1
Erysipelas	1			1			1	6	3	5	
Gonococcus Infection	3	2	6	9	65	168	155	43	18	4	9
Leprosy							1		1		
Pellagra			1		1		1	1	2	3	
Poliomyelitis	1	7	1	1	1				1		
Syphilis	4	3	7	11	29	100	168	119	48	31	4
Tetanus			1	1						1	
Trachoma		1	3	3	1	1		2			
Encephalitis		1	2			2	1	3		1	
Paratyphoid		1								1	
Rocky Mt. Spotted Fever							1				

CALIFORNIA STATE PRINTING OFFICE